

ABSTRACT OF THE DISCLOSURE

A sliding bone support plate assembly comprises at least first and second plates which slide with respect to each other, varying the length of the plate assembly by plate-on-plate sliding after bone screws mount the plate assembly to vertebrae in a recipient. The plates comprise cooperating sliding structures which cooperate with each other to interconnect the plates to each other and to facilitate sliding movement of the plates with respect to each other. Such sliding accommodates varying the length of the plate assembly, and relieving stress which would otherwise be imposed on the plate assembly by post-procedural settling of respective vertebrae to which the plates are mounted without requiring any movement of a plate with respect to a bone to which that plate is mounted. The plate assembly is fabricated using bio-compatible, bio-stable materials which are safe for extended use in a living human, and which are not generally assimilated.